## **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/537.648
Source:	P.G.
Date Processed by STIC:	5/26/06
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## ENTERED



PCT

RAW SEQUENCE LISTING DATE: 05/26/2006
PATENT APPLICATION: US/10/537,648 TIME: 07:56:25

Input Set : A:\0380-P03063US1 seq listing.txt
Output Set: N:\CRF4\05262006\J537648.raw

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4 <110> APPLICANT: Xiao, Zhi-Cheng
 6 <120> TITLE OF INVENTION: Peptides, Antibodies Thereto, and Their
         Use in the Treatment of Central Nervous System Damage
10 <130> FILE REFERENCE: 0380-P03063US1
12 <140> CURRENT APPLICATION NUMBER: US 10/537,648
13 <141> CURRENT FILING DATE: 2005-06-06
15 <150> PRIOR APPLICATION NUMBER: PCT/GB2003/005323
16 <151> PRIOR FILING DATE: 2003-12-05
18 <150> PRIOR APPLICATION NUMBER: US 60/431,620
19 <151> PRIOR FILING DATE: 2002-12-06
21 <160> NUMBER OF SEQ ID NOS: 35
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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26 <211> LENGTH: 7
27 <212> TYPE: PRT
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
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Output Set: N:\CRF4\05262006\J537648.raw

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		Leu	Arg	Asn	Cys	Thr	Leu	Leu	Leu		Thr	Leu	Ser	Pro		Leu	GLY
	35	_			100	_				105			_	_	110	_	
		GLY	Lys	-	Tyr	Phe	Arg	Gly		Leu	Gly	Gly	Tyr		Gln	Tyr	Thr
	37			115					120			_		125	_		
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	39	_	130			_	_	135					140			_	
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		145					150	_				155			_		160
		Val	Pro	Asp	Asn	-	Pro	Glu	Leu	Arg		Glu	Leu	Ser	Trp		Gly
	43		_	_		165					170			_	_	175	_
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	45	_	_	_	180	_		_		185					190		_
		Glu	Gly		$\mathtt{Trp}$	Val	Gln	Val		Leu	Leu	His	Phe		Pro	Thr	Arg
	47	=		195	<b>-</b>		_	_	200	_				205	_	_	
		Glu		Asn	Gly	His	Arg		Gly	Cys	Gln	Ala		Phe	Pro	Asn	Thr
	49		210					215		_	_	_	220	_	_	_	_
			Leu	Gln	Phe	Glu		Tyr	Ala	Ser	Leu		Val	Lys	Tyr	Pro	
		225	_	_			230					235		<b>-</b>	<b>_</b>	_	240
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	53			_	_	245			_	_	250	_		_	_	255	_,
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	55				260			<b>_</b>	_	265					270	_	_
		Trp	Met		Asp	Gly	Met	Val		Arg	Glu	Ala	Val		Glu	Ser	Leu
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	59	_	290			_		295		~3	_	_	300	1		~7	_
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		305			_		310	_	_	_	_,	315	_	~7			320
		ser	Val	Met	Tyr		Pro	Trp	гуѕ	Pro		vai	Asn	GIY	Thr		vai
	63			~7	~3	325	1		_	-1	330	~		m1	<b>~1</b>	335	3
		Ата	vaı	GIU	Gly	GIU	Inr	vai	ser		ьeu	Cys	ser	Thr		ser	ASII
	65	_			340	<b>.</b>	m1	<b>-1</b> -	D1	345	<b>01</b>	T	a1	<b>-</b> 1 -	350	77.	ml
		Pro	Asp		Ile	ьeu	Thr	тте		гуѕ	GIU	ьўs	GIN		ьeu	Ala	Tur
	67	77-7	<b>T</b> 3 =	355	<b>a</b> 1		<b>~1</b>	T	360	T	<b>a</b> 1	T	D	365	77- 7	mb	Desc
				Tyr	Glu	ser	GIN		GIN	Leu	GIU	ьeu		Ата	vai	Inr	PIO
	69		370	7	<b>~</b> 1	<b>~1</b>	m	375	<b>~</b>	77-7	71-	a1	380	a1	TT	<u>ما</u>	~1 m
			Asp	Asp	Gly	GIU		Trp	Cys	vai	Ala		ASII	GIII	Tyr	GIY	
		385	77.	mla sa	77.	Dha	390	T	0	17.5	a1	395	7 J -	Dwo	т1.	т1 о	400
		Arg	Ата	THE	Ala		ASII	Leu	ser	Val		Pne	Ата	PIO	TTE		ьeu
	73	T	<b>~1</b>	0	***	405	77-	777	77.	7	410	mb	7707	~1 <b>~</b>	C	415	C
		ьеи	GIU	ser		cys	АТА	нιа	нта		ASP	ınr	val	GIII		ьeu	Cys
	75	77-7	77-7	T	420	7	D	<b>a</b> 1	D	425	77-7	77.	Db -	a1	430	D	Com
		val	val	_	Ser	ASII	Pro	GIU		ser.	val	ATG	rne		ьeu	PLO	oer
	77	7	7	435	m\	77 7	7	<b>~</b> 1	440	<b>a</b> 1	71	<b>a</b> 1	nh -	445	П	0	<u>ري</u>
		arg		vaı	Thr	vai	ASN		ınr	GIU	Arg	GIU		val	TÀL	ser.	GIU
	79	7	450	C1	T ~··	T	T ~~·	455	C ~ ~	тло	T 0	Th~	460	7. ~~~	C1	C1 ~	7.1.
		_	ser	стА	Leu	ьeu		IIII	ser	тте	ьeu		ьeu	Arg	GTÀ	GIII	
		465	n 7 -	D	D	7	470	T7.	<b>~</b>	mb	C	475	7 ~	T ~··	TT	C1	480
ΤŞ	<b>5</b>	GIII	AIG	PIO	Pro	Arg	val	тте	Cys	TIIL	ser	Arg	ASII	ьeu	TAT	сту	TIIT

Input Set : A:\0380-P03063US1 seq listing.txt
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Input Set : A:\0380-P03063US1 seq listing.txt
Output Set: N:\CRF4\05262006\J537648.raw

238 Phe Gly Asn Asp Phe Val Pro Pro Ala Pro Arg Gly Pro Leu Pro Ala 239 85 240 Ala Pro Pro Val Ala Pro Glu Arg Gln Pro Ser Trp Asp Pro Ser Pro 105 242 Val Ser Ser Thr Val Pro Ala Pro Ser Pro Leu Ser Ala Ala Ala Val 115 120 244 Ser Pro Ser Lys Leu Pro Glu Asp Asp Glu Pro Pro Ala Arg Pro Pro 135 140 130 246 Pro Pro Pro Pro Ala Ser Val Ser Pro Gln Ala Glu Pro Val Trp Thr 247 145 150 155 248 Pro Pro Ala Pro Ala Pro Ala Ala Pro Pro Ser Thr Pro Ala Ala Pro 165 170 250 Lys Arg Arg Gly Ser Ser Gly Ser Val 251 180 254 <210> SEQ ID NO: 11 255 <211> LENGTH: 66 256 <212> TYPE: PRT 257 <213> ORGANISM: Homo sapiens 259 <400> SEQUENCE: 11 260 Arg Ile Tyr Lys Gly Val Ile Gln Ala Ile Gln Lys Ser Asp Glu Gly 5 262 His Pro Phe Arg Ala Tyr Leu Glu Ser Glu Val Ala Ile Ser Glu Glu 20 25 264 Leu Val Gln Lys Tyr Ser Asn Ser Ala Leu Gly His Val Asn Cys Thr 40 266 Ile Lys Glu Leu Arg Arg Leu Phe Leu Val Asp Asp Leu Val Asp Ser 50 55 267 268 Leu Lys 269 65 272 <210> SEO ID NO: 12 273 <211> LENGTH: 973 274 <212> TYPE: PRT 275 <213> ORGANISM: Artificial Sequence 277 <220> FEATURE: 278 <223> OTHER INFORMATION: Fusion protein 280 <220> FEATURE: 281 <221> NAME/KEY: VARIANT 282 <222> LOCATION: (509)...(511) 283 <223> OTHER INFORMATION: Polyalanine linker 285 <220> FEATURE: 286 <221> NAME/KEY: VARIANT 287 <222> LOCATION: (717)...(719) 288 <223> OTHER INFORMATION: Polyalanine linker 290 <220> FEATURE: 291 <221> NAME/KEY: VARIANT 292 <222> LOCATION: (905)...(907) 293 <223> OTHER INFORMATION: Polyalanine linker 295 <400> SEQUENCE: 12

296 Met Ile Phe Leu Thr Thr Leu Pro Leu Phe Trp Ile Met Ile Ser Ala

VERIFICATION SUMMARYDATE: 05/26/2006PATENT APPLICATION:US/10/537,648TIME: 07:56:26

Input Set : A:\0380-P03063US1 seq listing.txt

Output Set: N:\CRF4\05262006\J537648.raw

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